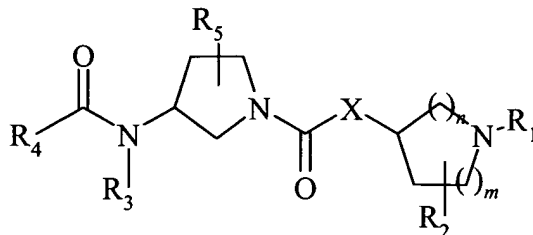


CLAIMS

1. A compound having the following structure:



or a stereoisomer, prodrug or pharmaceutically acceptable salt thereof,
wherein:

m is 0 or 1;

n is 1 or 2;

X is -CH₂- or -N(R₆)-;

R₁ is hydrogen, alkyl, substituted alkyl, aryl, substituted aryl, arylalkyl, substituted arylalkyl, heterocycle, substituted heterocycle, heterocyclealkyl, or substituted heterocyclealkyl;

R₂ and R₅ are the same or different and independently hydrogen, alkyl or substituted alkyl;

R₃ is hydrogen, alkyl, substituted alkyl, arylalkyl, substituted arylalkyl, heteroarylalkyl or substituted heteroarylalkyl;

R₄ is alkyl, substituted alkyl, aryl, substituted aryl, heterocycle, substituted heterocycle or -NR₇R₈;

R₆ is hydrogen, alkyl or substituted alkyl;

R₇ and R₈ are the same or different and independently hydrogen, alkyl, substituted alkyl, arylalkyl, substituted arylalkyl, aryl, substituted aryl, heterocycle, substituted heterocycle, heteroarylalkyl or substituted heteroarylalkyl, or

R₇ and R₈ taken together with the nitrogen atom to which they are attached form a heterocyclic ring which is optionally substituted by one to three R₉; and

R₉ is alkyl, substituted alkyl, arylalkyl, substituted arylalkyl, heteroarylalkyl, substituted heteroarylalkyl; aryl, substituted aryl, heterocycle or substituted heterocycle.

2. The compound of claim 1 wherein X is -CH₂-.

3. The compound of claim 1 wherein X is $-N(R_6)-$.
4. The compound of claim 1 wherein n is 1.
5. The compound of claim 1 where n is 2.
6. The compound of claim 4 wherein m is 0.
7. The compound of claim 4 wherein m is 1.
8. The compound of claim 5 wherein m is 1.
9. The compound of claim 1 wherein R_1 is hydrogen, alkyl or substituted alkyl, arylalkyl, substituted arylalkyl, heterocyclealkyl or substituted heterocyclealkyl.
10. The compound of claim 1 wherein R_1 is aryl, substituted aryl, heteroaryl, substituted heteroaryl, heterocycles or substituted heterocycles.
11. The compounds of claim 1 wherein R_1 is alkyl, arylalkyl or heterocyclealkyl wherein the first carbon is substituted by oxo ($=O$).
12. The compound of claim 1 wherein R_4 is alkyl, substituted alkyl, aryl, substituted aryl, heterocycle or substituted heterocycle.
14. The compound of claim 1 wherein R_4 is $-NR_7R_8$.
15. The compound of claim 7 wherein X is $-NR_6-$.
16. The compound of claim 15 wherein R_2 and R_5 are each hydrogen.
17. The compound of claim 16 wherein R_6 is lower alkyl.
18. The compound of claim 17 wherein R_6 is methyl.
19. The compound of claim 17 wherein R_1 is hydrogen.

20. The compound of claim 19 wherein R₄ is heteroaryl or substituted heteroaryl.

21. The compound of claim 20 wherein R₄ is substituted thienyl.

22. The compound of claim 21 where R₄ is 2-[5-(2-chloro-4-methylphenyl)thienyl], 2-[5-(2-methyl-4-chlorophenyl)thienyl], 2-[5-(2,4-dichlorophenyl)thienyl], 2-[5-(2-chloro-4-ethoxyphenyl)thienyl], 2-[5-(4-trifluoromethylphenyl)thienyl], 2-[5-(4-chlorophenyl)thienyl] or 2-[5-(2,4-dimethylphenyl)thienyl].

23. The compound of claim 17 wherein R₁ is alkyl or substituted alkyl.

24. The compound of claim 23 wherein R₁ is cyclic alkyl or substituted cyclic alkyl.

25. The compound of claim 24 wherein R₁ is cyclohexyl, cyclopentyl, 4-methylcyclohexyl or 4,4-dimethylcyclohexyl.

26. The compound of any of claims 24-25 wherein R₄ is substituted heteroaryl.

27. The compound of claim 26 wherein R₄ is substituted thienyl.

28. The compound of claim 27 wherein R₄ is 2-[5-(4-methoxyphenyl)thienyl], 2-[5-(3-fluoro-4-methoxyphenyl)thienyl], 2-[5-(4-trifluoromethylphenyl)thienyl], 2-[5-(4-fluorophenyl)thienyl], 2-[5-(4-hydroxyphenyl)thienyl], 2-[5-(4-methylsulfonylphenyl)thienyl], 2-[5-(4-ethoxyphenyl)thienyl], 2-[5-(2-methylthiophenyl)thienyl], 2-[5-(3-methylthiophenyl)thienyl], 2-[5-(2-methoxy-3-fluorophenyl)thienyl], 2-{5-[5-(2-fluoropyridinyl)]thienyl}, 2-{5-[5-(2-methoxypyridinyl)]thienyl}, 2-{5-[3-(2-chloropyridinyl)]thienyl} or 2-{5-[5-(2-chloropyridinyl)]thienyl}.

29. The compound of claim 26 wherein R₄ is substituted isoxaloyl.

30. The compound of claim 29 wherein R₄ is 5-[3-(4-chlorophenyl)isoxaloyl].
31. The compound of claim 26 wherein R₄ is substituted pyridinyl.
32. The compound of claim 31 wherein R₄ is 5-[2-(3-thienyl)pyridinyl], 5-[2-(5-dihydrobenzofuranyl)pyridinyl], 5-[2-(4-methylphenyl)pyridinyl], 5-[2-(6-benzodioxanyl)pyridinyl] or 5-[2-(4-methoxyphenyl)pyridinyl].
33. The compound of claim 26 wherein R₄ is substituted thiazolyl.
34. The compound of claim 33 wherein R₄ is 5-[2-(4-fluorophenylamino)thiazolyl], 5-[2-(4-methylphenylamino)thiazolyl] or 5-(2-phenylamino)thiazolyl.
35. The compound of claim 26 wherein R₄ is substituted imidazolyl.
36. The compound of claim 35 wherein R₄ is 5-[2-(4-trifluoromethylphenyl)imidazolyl].
37. The compound of claim 26 wherein R₄ is substituted aryl.
38. The compound of claim 37 wherein R₄ is 4-(4-fluorophenoxy)phenyl, 4-(4-chlorophenyl)phenyl or 4-(4-trifluoromethylphenyl)phenyl.
39. The compound of claim 26 wherein R₄ is substituted alkyl.
40. The compound of claim 39 wherein R₄ is 4-(4-chlorophenyl)cyclohexyl.
41. The compound of claim 23 wherein R₁ is lower alkyl.
42. The compound of claim 41 wherein R₁ is methyl, ethyl, isopropyl or propyl.
43. The compound of claim 42 wherein R₄ is substituted heteroaryl.

44. The compound of claim 43 wherein R₄ is substituted thienyl.

45. The compound of claim 44 wherein R₄ is 2-[5-(2-methoxy-5-isopropylphenyl)thienyl], 2-[5-(2-methoxy-5-fluorophenyl)thienyl], 2-[5-(2-benzothieryl)thienyl], 2-[5-(2-chloro-5-methylphenyl)thienyl], 2-[5-(2-methyl-5-chlorophenyl)thienyl], 2-[5-(2-methoxy-4-chlorophenyl)thienyl], 2-[5-(3,4-dimethoxyphenyl)thienyl], 2-[5-(4-methylsulfonylphenyl)thienyl], 2-[5-(2,4-dichlorophenyl)thienyl], 2-[5-(4-acetylaminophenyl)thienyl], 2-[5-(2,3-dichlorophenyl)thienyl], 2-[5-(2-trifluoromethylphenyl)thienyl], 2-[5-(2-methoxy-6-fluorophenyl)thienyl], 2-[5-(4-isopropoxyphenyl)thienyl], 2-[5-(2,5-dichlorophenyl)thienyl], 2-[5-(2-isopropoxyphenyl)thienyl], 2-[5-(3-trifluoromethylphenyl)thienyl], 2-[5-(2-chloro-4-ethoxyphenyl)thienyl], 2-[5-(3-chloro-4-methoxyphenyl)thienyl], 2-[5-(2-methoxy-4-chlorophenyl)thienyl], 2-[5-(2-methyl-3-chlorophenyl)thienyl], 2-[5-(2,6-dimethyl-4-methoxyphenyl)thienyl], 2-[5-(6-benzodioxanyl)thienyl], 2-[5-(3-methoxy-4-chlorophenyl)thienyl], 2-[5-(2-fluoro-3-methoxyphenyl)thienyl], 2-[5-(2-fluoro-5-methoxyphenyl)thienyl], 2-[5-[5-(2,2-difluorobenzodioxolyl)]thienyl], 2-[5-(2-fluoro-3-methylphenyl)thienyl], 2-[5-(4-chlorophenyl)thienyl], 2-[5-(2-methoxy-3-fluorophenyl)thienyl], 2-[5-(2-methyl-4-methoxyphenyl)thienyl], 2-[5-[5-(2-methoxypyridinyl)]thienyl], 2-[5-(4-trifluoromethoxyphenyl)thienyl], 2-[5-(4-ethylphenyl)thienyl], 2-[5-(4-cyanophenyl)thienyl], 2-[5-(4-methylthiophenyl)thienyl], 2-[5-(2-methyl-4-fluorophenyl)thienyl], 2-[5-(2-methylphenyl)thienyl], 2-[5-(4-methylphenyl)thienyl], 2-[5-(3-fluorophenyl)thienyl], 2-[5-(4-fluorophenyl)thienyl], 2-[5-(2,4-dimethylphenyl)thienyl], 2-[5-(3,4-dimethylphenyl)thienyl], 2-[5-(2,6-dimethylphenyl)thienyl], 2-[5-(2-methoxyphenyl)thienyl], 2-[5-(3-methoxyphenyl)thienyl], 2-[5-(2-chlorophenyl)thienyl], 2-[5-(3-chlorophenyl)thienyl], 2-[5-(2,3-difluorophenyl)thienyl], 2-[5-(2,4-difluorophenyl)thienyl], 2-[5-(2-benzofuranyl)thienyl], 2-[5-(4-acetylphenyl)thienyl], 2-[5-(5-benzodihydrofuranyl)thienyl], 2-[5-(4-isopropylphenyl)thienyl], 2-[5-(4-dimethylaminophenyl)thienyl], 2-[5-(5-benzodioxolyl)thienyl], 2-[5-(2-ethoxyphenyl)thienyl], 2-[5-(3-ethoxyphenyl)thienyl], 2-[5-(4-ethoxyphenyl)thienyl], 2-[5-(2-methoxy-4-methylphenyl)thienyl], 2-[5-(3-chloro-4-methylphenyl)thienyl], 2-[5-(2-fluoro-4-ethoxyphenyl)thienyl], 2-[5-(4-dimethylaminoformylphenyl)thienyl], 2-[5-(2-ethoxy-5-chlorophenyl)thienyl] or 2-[5-(2-chloro-4-ethoxyphenyl)thienyl].

46. The compound of claim 42 wherein R₄ is substituted aryl.

47. The compound of claim 46 wherein R₄ is 4-(4-methoxyphenyl)phenyl, 4-(3-fluoro-4-methoxyphenyl)phenyl, 4-(2-methyl-4-methoxyphenyl)phenyl, 4-[6-(2-methoxypyridinyl)phenyl], 4-(4-trifluoromethoxyphenyl)phenyl, 4-(4-ethylphenyl)phenyl, 4-(4-cyanophenyl)phenyl, 4-(4-methylthiophenyl)phenyl or 4-(2-methyl-4-fluorophenyl)phenyl.

48. The compound of claim 23 wherein R₁ is substituted lower alkyl.

49. The compound of claim 48 wherein R₁ is 1-methyl-2-methylsulfonyl ethyl, 4-cyclopentylbutyl, 3-hydroxybutyl, 2-methoxyethyl, 2-(4-fluorophenoxy)ethyl, 3-pyrrolidinylformylpropyl or 3-trifluoromethylpropyl.

50. The compound of claim 49 wherein R₄ is substituted heteroaryl, substituted aryl or substituted alkyl.

51. The compound of claim 50 wherein R₄ is 5-[3-(4-chlorophenyl)isoxaloyl] or 2-[5-(4-methoxyphenyl)thienyl].

52. The compound of claim 50 wherein R₄ is 4-(4-chlorophenyl)phenyl or 4-(4-fluorophenoxy)phenyl.

53. The compound of claim 50 wherein R₄ is (4-chlorophenyl)cyclohexyl.

54. The compound of claim 23 wherein R₁ is heterocycle or substituted heterocycle.

55. The compound of claim 54 wherein R₁ is 4-tetrahydropyranyl, 4-(1-acetylpiperidinyl) or 4-(1-methylthiopiperidinyl).

56. The compound of claim 55 wherein R₄ is substituted heteroaryl, substituted aryl or substituted alkyl.

57. The compound of claim 56 wherein R₄ is 5-[3-(4-chlorophenyl)isoxaloyl], 2-[5-(4-methoxyphenyl)thienyl], 4-(4-chlorophenyl)phenyl, 4-(4-fluorophenoxy)phenyl or (4-chlorophenyl)cyclohexyl.

58. A composition comprising a compound of claim 1 in combination with a pharmaceutically acceptable carrier or diluent.

59. A method for antagonizing melanin concentrating hormone in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

60. A method for treating obesity in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

61. A method for treating anxiety and/or depression in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

62. A method for treating digestive disorder in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

63. A method for treating fertility or sexual function disorder in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.

64. A method for treating urinary disorder in a subject in need thereof, comprising administering to the subject an effective amount of a compound of claim 1 or a composition of claim 58.